

Vendor Hyperlocal Marketplace Add-On

by CedCommerce Products Documentation

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1. Overview



HYPERLOCAL SYSTEM ADDON

USER GUIDE

CedCommerce Inc.

This document will explain the feature and functionality of VENDOR HYPERLOCAL SYSTEM ADDON by CedCommerce for your Magento® Store.

Magento® Editions Compatibility
Community – 2.0.x , 2.1.x , 2.2.x

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Note :

This Module is Dependend on Multivendor Marketplace System By CedCommerce Inc.

2. Product Description

Vendor Hyperlocal Add-on help to connect the Local store owner (Vendor), customer and Admin to an e-commerce platform where the customer can enhance the online shopping experience for a local market. The shop owner can add the delivery location that they serve for the product sold. The customer can either enter their location (PINCODE) and then search the product that they required and is delivered to their location. Even the local shop owner can set there Delivery / Shipping charges that they require.

3. Outstanding Features of Addon

For Customer:

- Through Geolocation, it will fetch the customer current location and filter products everywhere in the site with the selected location/zip code (based on the configuration).
- If a customer wants to change the location he can change from the frontend.
- A customer can not add products to the cart until he doesn't select any location.
- Validation at checkout that the products added in the cart are available for the selected shipping or billing address.

For Admin

- Admin can add multiple ship areas and zip codes using .csv (File Type) for the respective ship area.
- Admin needs to enter the map API key for geolocation and Google autocomplete location.
- Admin can set the Filter type from the configuration. There are three types of the filter defined at admin panel :
 - **Filter products by City, Country, and State** (customer can buy products which are available to deliver in his city, state, and country)
 - **Filter products by Zipcode** (customer can buy products which are available to deliver in the customer's zip code)
 - **Filter products by Distance** – Admin can define the filter range and can select the unit (km or miles)
- Admin can also define the popup title, which is displayed to the customer at frontend to enter the location or zip code.

For Vendor

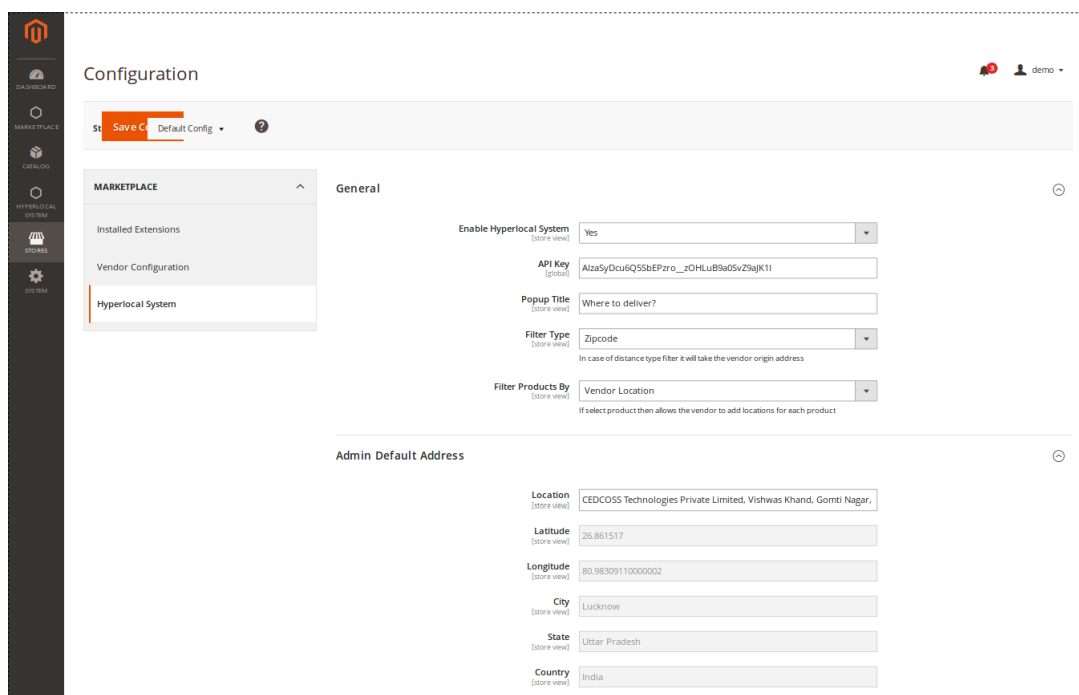
- A vendor can add multiple ship areas and multiple zip codes using csv (File Type) for shipping.
- A vendor can also manage the zip codes for the ship area, can add a single zip code, can delete/edit zipcode for the ship area.
- A vendor can edit/delete the ship Location.
- At the time of vendor registration, through geolocation it will fetch the current location of the vendor and autofill the field, latitude, and longitude fields and if a vendor wants he/she can change the location by Google autocomplete location in the registration page.
- A vendor can also select the multiple ship areas for each product (if admin selects Filter location – Product location in the configuration).

BENEFIT:

- 100% open source
- Easy Installation and Extension Configuration Process
- User-friendly interface

4. General Configuration

After the complete installation of Multivendor System and Vendor Hyperlocal Addon, an admin needs to configure the module by going to **Stores > Configuration > Hyperlocal System**. Here admin has to enter the details required.



Configuration

Save Config Default Config

MARKETPLACE

- Installed Extensions
- Vendor Configuration
- Hyperlocal System**

General

Enable Hyperlocal System: Yes

API Key: AtaSyDcu6Q55bEPzro_zOHLuB9a05vZ9ajK11

Popup Title: Where to deliver?

Filter Type: Zipcode
In case of distance type filter it will take the vendor origin address

Filter Products By: Vendor Location
If select product then allows the vendor to add locations for each product

Admin Default Address

Location: CEDCOSS Technologies Private Limited, Vishwas Khand, Gorti Nagar,

Latitude: 26.861517

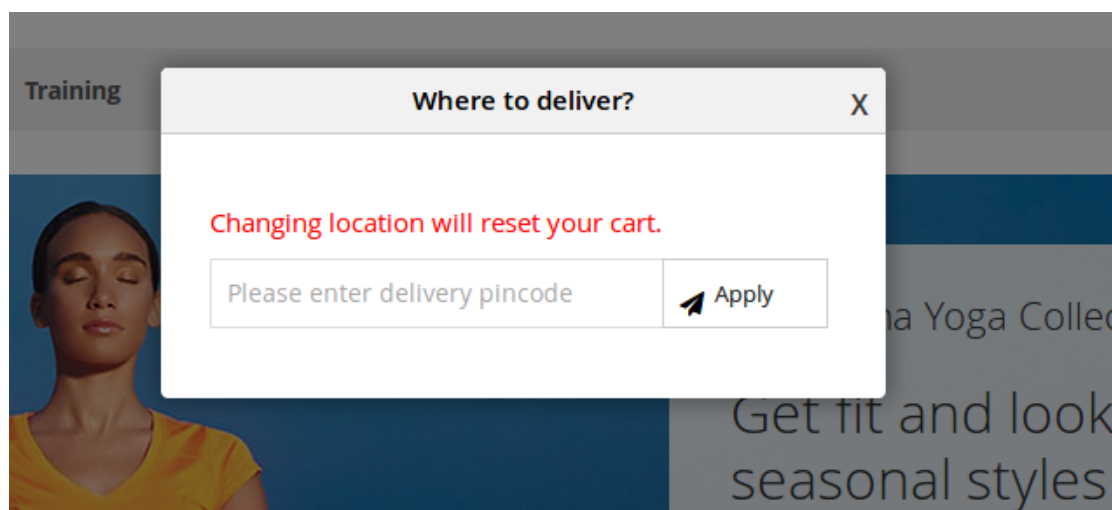
Longitude: 80.98309110000002

City: Lucknow

State: Uttar Pradesh

Country: India

- **Enable Hyperlocal System:** Yes / No, use to enable or disable the module.
- **API Key:** This is the Google API Key
For Google API Key please visit <https://developers.google.com/maps/documentation/javascript/get-api-key> (<https://developers.google.com/maps/documentation/javascript/get-api-key>)
- **Popup Title:** This is the Heading for Pop-Location Window that appears for your Location.



- **Filter Type:** There are 3 Type of Option that is available in Filter Type
 - **DISTANCE:** In case of distance type filter it will take the vendor origin address to filter out the products available

Filter Type [store view]

In case of distance type filter it will take the vendor origin address

Radius [store view]

Distance Type [store view]

- **Radius:** As per the customer Location detected it will show all the product as well as vendors that are located within the set Radius
- **Distance Type :** (Km / Miles) Set the unit if Radius Mentioned.
- City, Country, and State: In this case, it will take customer address and vendor address to fetch out the product based on location.

Filter Type [store view]

In case of distance type filter it will take the vendor origin address

Filter Products By [store view]

If select product then allows the vendor to add locations for each product

- **Filter Product By** (Vendor Location / Product Location) If the admin has selected the option of “*Vendor Location*”, then if the *Customer’s* and *Vendor Location* is same it will display all the product of that vendor.
If the admin has chosen “*Product location*”, then the system will fetch out all the product whose location is set as same as customer location.
- Zipcode: In this case, if the admin has used this setting, then the vendor can upload the list of Zipcode from a CSV file and then if the customer zip code matched with the product availability zipcode, those products will be delivered for him.
 - **Filter Product By** (Vendor Location / Product Location) If the admin has selected the option of *Vendor Location*, then if the *Customer* and *Vendor Location (PINCODE)* is same it will display all the product of that vendor.
If the admin has chosen *product location*, then the system will fetch out all the product whose location (PINCODE) is set as same as customer location.

ADMIN DEFAULT ADDRESS

Admin Default Address

Location [store view]	CEDCOSS Technologies Private Limited, Vishwas Khai
Latitude [store view]	26.861517
Longitude [store view]	80.98309110000002
City [store view]	Lucknow
State [store view]	Uttar Pradesh
Country [store view]	India

Here Admin enters his location so that if there is a product of admin that can also utilise the admin detail (If Required).

5. Manage Delivery Locations

On clicking **Delivery Location**, admin can view and manage all the added Shipping areas. Admin can add/edit or delete any ship area from here.

As per the configuration is done by admin on **Filter Type** for his Hyperlocal store, an admin needs to manage the delivery location. So he can navigate to **Admin < Hyperlocal System < Delivery Locations**

Now here Admin has the functionality to add the Location of Vendor so that for that location vendor can add his all deliverable Pincode (even admin can also add pin code on behalf of vendor)

When Admin clicks on **Add Vendor Location** then he selects the vendor and then selects the location, that location is added to vendor panel.

Manage Delivery Locations

 3  demo ▾

Add Location
Add Vendor Location

Filters Default View Columns

Actions ▾ 12 records found

20 ▾ per page < 1 of 1 >

<input type="checkbox"/>	Id	Vendor	Location	Latitude	Longitude	City	Country	State	Status	Action
<input type="checkbox"/>	89	p@p.com	Nagpur, Maharashtra, India	21.1458004	79.08815460000005	Nagpur	India	Maharashtra	Enabled	Select ▾
<input type="checkbox"/>	88	a@a.com	Mumbai, Maharashtra, India	19.0759837	72.87765590000004	Mumbai	India	Maharashtra	Enabled	Select ▾

ADD VENDOR LOCATION

Select Vendor demo

Search [Reset Filter](#)

Actions 17 records found 20 per page 1 of 1

	Name	Email
<input type="checkbox"/>	a a	a@a.com
<input type="checkbox"/>	b b	b@b.com
<input type="checkbox"/>	c c	c@c.com

SELECT VENDOR TO ADD LOCATION

Select Vendor demo

Search [Reset Filter](#)

Add Location 17 records found (1 selected) 20 per page 1 of 1

	Name	Email
<input checked="" type="checkbox"/>	p p	p@p.com
<input type="checkbox"/>	b b	b@b.com
<input type="checkbox"/>	c c	c@c.com

Select the location for Vendor, that location will be auto-assigned to the vendor and he can manage all the area Pincodes for that city.

The screenshot shows the 'New Location' form in the Magento2 Hyperlocal admin interface. The form includes the following fields and options:

- Location:** A dropdown menu with suggestions: Nagpur Maharashtra, India; Nagoya Aichi Prefecture, Japan; Nagano Prefecture Japan; Nagavara Bengaluru, Karnataka, India; Nagercoil Tamil Nadu, India.
- Latitude:** Input field.
- Longitude:** Input field.
- Status:** Input field.
- city:** Input field.
- state:** Input field.
- country:** Input field.
- Zipcode:** Input field.

Navigation buttons: Back, Reset, Save.

In vendor, Panel vendor can check that from **Vendor Dashboard < Delivery Location**

The screenshot displays the 'Manage Delivery Locations' page. On the left is a navigation menu with options like Dashboard, Vendor Profile, Orders, Transactions, Reports, Settings, New Product, and Manage Products. The main content area has a search bar, a 'Reset Filter' link, and an 'Add Location' button. Below these are pagination controls showing '1 records found' and '20 per page'. A table lists the delivery locations with the following data:

Id	Location	City	State	Country	Status	Action
89	Nagpur, Maharashtra, India	Nagpur	Maharashtra	India	Enabled	Select

Now clicking on **Manage Zipcode** form Action column Vendor can Manage all the Pincode of the related city in bulk via csv import export feature.

Import Zipcode CSV

The screenshot shows the 'Import Zipcode CSV' form. At the top right, there are 'Back', 'Reset', and 'Save' buttons. The form is divided into two main sections: 'Import CSV' and 'Export CSV'. The 'Import CSV' section has a 'Choose file' button and the text 'No file chosen'. The 'Export CSV' section has an 'Export CSV' button.

6. Vendor Setting Delivery Location

ADDING PRODUCT AND ASSIGNING THE DELIVERY LOCATION

Now when the vendor Add the product to his catalog, he has the option to select the delivery location of the product, so whatever location vendor select for the product the product is delivered on that location only.

Categories [global]

Visibility [store view]

Set Product as New From [website]
 To

Country of Manufacture [website]

Shipping Location [global]

6.1. Vendor Setting as per Distance Based

ADMIN

When the admin has configured his website in such a way, that the vendor is allowed to deliver his product within the specific Kilometre / Miles distance, then he adds this to the setting (configuration) panel.

MARKETPLACE ^

- Installed Extensions
- Vendor Configuration
- Hyperlocal System

General

Enable Hyperlocal System [store view]

API Key [global]

Popup Title [store view]

Filter Type [store view]
In case of distance type filter it will take the vendor origin address

Radius [store view]


Distance Type [store view]

Admin using the **Filter Type** as Distance and mentioning the **Radius** Distance of delivery of his products.

Now Admin can manage all the delivery locations by adding the exact vendor locations.

VENDOR

At the time of creating an account, the vendor needs to provide his address and further whenever he wants he can edit that address. As per the Filter type "distance" mention by admin and Radius "distance", to which the delivery can be done; therefore vendor distance is calculated from this point to the customers mentioned address.



Hello, p p!
Approved Vendor!
[Edit](#)

Email : p@p.com

General Information

Created At:	Oct 9, 2018, 10:19:11 AM
Shop Url:	p-1
Status:	Approved
Vendor Group:	general
Public Name:	p
Name:	p p
Email:	p@p.com
Location:	Unnamed Road, Gomti Nagar, Lucknow, Uttar Pradesh 226010, India
Latitude:	26.855818199999998
Longitude:	80.9815709

Address Information

City:	Lucknow
-------	---------

After you fill the exact vendor location the rest of Latitude and Longitude field are filled automatically as by fetching the data from Google via Google API utilized. Now from this vendor location, his product delivery will be applicable for within the desired Distance.

6.2. Vendor Setting as per City Based

ADMIN

When the admin has configured his website in such a way, that the vendor is allowed to deliver his product within the specific City, Country /State, then he adds this to the setting (configuration) panel. Now he has to further provide the detail to filter product by (Product Location / Vendor Location).

Configuration

The screenshot shows the 'Configuration' page for the 'Hyperlocal System'. The 'Store View' is set to 'Default Config'. A 'Save Config' button is visible in the top right. The left sidebar shows the 'MARKETPLACE' menu with 'Hyperlocal System' selected. The main content area is titled 'General' and contains the following settings:

- Enable Hyperlocal System** (store view): Yes
- API Key** (global): AlzaSyDcu6Q5SbEPzro_zOHLuB9a0SvZ9ajK1I
- Popup Title** (store view): Where to deliver?
- Filter Type** (store view): City,Country & State

In case of distance type filter it will take the vendor origin address
- Filter Products By** (store view): Vendor Location

If select product then allows the vendor to add locations for each product

If admin select Product Location then the vendor is allowed to add locations for each product.

Vendor Location

It will show the vendor products to all the customers, those who belong to the same location as of vendor.

Filter Products By (store view)

Product Location

If Admin has selected Product Location as *[Filter Product by]* then it allows the vendors to add locations for each product individually.

Filter Products By [store view]

Now even **Admin** as well as **Vendor**, both can create the location, which needs to be associated with the product each time when the vendor creates his product.

To create the locations for a specific vendor, an admin needs to navigate to **Admin < Hyperlocal System < Delivery Locations < Add Vendor Location**, Now he need to select the vendor can add the location. (Rest Detail i.e Lat / Long will be auto-filled by the Google API used)

Select Vendor

  demo

Search		Reset Filter
Actions	17 records found (1 selected)	20 per page
Any		
<input checked="" type="checkbox"/>	Naved Siddiqui	naveds3@gmail.com

After selecting the vendor, move to [Actions] and there select [Add Location], that will allow you to add the location

[← Back](#) [Reset](#) [Save](#)

GENERAL INFORMATION

General Information

General Information

Location *

Latitude

Longitude

Status

city

state

country

This Location stored for vendor will be reflected in vendor's profile.

VENDOR

Now the Hyperlocal marketplace is configured on two bases from admin :


- Vendor Location
- Product Location

Vendor Location

Now when the admin has used the setting as vendor location for his hyperlocal marketplace, so here in this case vendor address act has his location which he has provided at the time of creating a vendor account. which can even be changes by vendor by editing his profile detail.

Vendor Login < Profile < User Profile

Vendor Profile View



Hello, p p!

Approved Vendor!

[Edit](#)

Email : p@p.com

General Information

Created At:	Oct 9, 2018, 10:19:11 AM
Shop Url:	p-1
Status:	Approved
Vendor Group:	general
Public Name:	p
Name:	p p
Email:	p@p.com
Location:	Unnamed Road, Gomti Nagar, Lucknow, Uttar Pradesh 226010, India
Latitude:	26.855818199999998
Longitude:	80.9815709

Product Location

Vendor can add multiple location as well as the admin added location for vendor can also seen here in vendor panel, to add and check the location allotted by admin, vendor can navigate to **Vendor Panel < Delivery Location** now to add more location vendor can click on [Add Location].

The screenshot displays the 'Manage Delivery Locations' page. On the left is a sidebar menu with items: Dashboard, Vendor Profile, Orders, Transactions, Reports, Settings, New Product, Manage Products, and Delivery Locations (highlighted). The main area has a search bar, a 'Reset Filter' link, and an 'Add Location' button. Below this is a table with the following data:

<input type="checkbox"/>	Id	Location	City	State	Country	Status	Action
<input type="checkbox"/>	93	Mahanagar, Lucknow, Uttar Pradesh, India	Lucknow	Uttar Pradesh	India	Enabled	Select ▾

Now when the Vendor add the product he need to set the product location also, i.e. where this product can be made available, so that accordingly the customer can see the product when customer location and product delivery location matches.

Enable Product
[website] Yes

Attribute Set ▼

Product Name *
[store view]

SKU *
[global]

Price *
[global]

[Advanced Pricing](#)

Tax Class
[website] ▼

Quantity
[global]

[Advanced Inventory](#)

Stock Status
[global] ▼

Length
[store view]

Width
[store view]

Height
[store view]

Weight
[global] lbs ▼

Categories
[global] ▼

Visibility
[store view] ▼

Set Product as New From
[website] To

Country of Manufacture
[website] ▼

Shipping Location
[global]

6.3. Vendor Setting as per Zipcode

ADMIN

When the admin has configured his website in such a way, that the vendor is allowed to deliver his product as per a specific zip code wise, then he adds this to the setting (configuration) panel. Now he has to further provide the detail to filter product by (Product Location / Vendor Location).

MARKETPLACE ^

- Installed Extensions
- Vendor Configuration
- Hyperlocal System**

General

Enable Hyperlocal System [store view] Yes

API Key [global] AlzaSyDcu6Q55bEPzro_zOHLuB9a0SvZ9ajK1I

Popup Title [store view] Where to deliver?

Filter Type [store view] Zipcode
In case of distance type filter it will take the vendor origin address

Filter Products By [store view] Product Location
If select product then allows the vendor to add locations for each product

Note: If admin select Product Location as a *FILTER PRODUCTS BY* then the vendor is allowed to add locations for each product.

Vendor Location

It will show the vendor products to all the customers, those who belong to the same zip code area as of vendor.

Filter Products By [store view] Vendor Location

Product Location

If Admin has selected Product Location as *[Filter Product by]* then it allows the vendors to add locations for each product individually.

Filter Products By [store view] Product Location

Now the admin can add the delivery location for vendor. Vendor as well as Admin both can further manage the pin code by adding them in bulk via CSV file.

	Id	Vendor	Location	Latitude	Longitude	City	Country	State	Status	Action
<input type="checkbox"/>	94	p@p.com	Mumbai, Maharashtra, India	19.0759837	72.87765590000004	Mumbai	India	Maharashtra	Enabled	Select ▼

[Edit](#)
[Delete](#)
[Manage Zipcodes](#)

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ADMIN ADDING CSV VIA CLICKING ON MANAGE ZIPCODE

ZIPCODES CSV

Zipcodes CSV

Import CSV

Import CSV No file chosen

Export CSV

Export CSV

The zip-code file which is imported will be uploaded and the specific vendor will be delivering his product on the mention zip code only.

VENDOR

Now the based on zip-code setting Hyperlocal marketplace is configured on two bases from admin :

- Vendor Location
- Product Location

Vendor Location

Now when the admin has used the setting as “*vendor location*” for his hyperlocal marketplace, so here in this case vendor zipcode act has his location which he has provided at the time of creating a vendor account. which can even be changes by vendor by editing his profile detail.

Product Location

Vendor can add multiple zip-code from the option of *Delivery Location* in vendor panel, to add and check the location allotted by admin, vendor can navigate to **Vendor Panel < Delivery Location** now to add more zipcode via csv file.

Search [Reset Filter](#) [← Back](#) [Add Zipcode](#) [Import CSV](#)

Actions ▾ 25 records found 20 ▾ per page < 1 of 2 >

<input type="checkbox"/>	Id	Zipcode	Action
<input type="checkbox"/>	1091	226046	Edit
<input type="checkbox"/>	1090	226045	Edit
<input type="checkbox"/>	1089	226044	Edit
<input type="checkbox"/>	1088	226043	Edit
<input type="checkbox"/>	1087	226042	Edit
<input type="checkbox"/>	1086	226041	Edit
<input type="checkbox"/>	1085	226040	Edit

After adding the zip code in the vendor delivery list all the vendors product are listed for the customer of those area.

7. Hyperlocal Webstore with customer Frontend panel

A hyperlocal website is Configured and completely setup after the complete setting done by admin as well as vendor wherever required. As Hyperlocal Solution is a Marketplace Solution so different vendor with there different location will signup them self as a seller and sell there product for a specific and desired location only.

Now Detecting the Customer Location

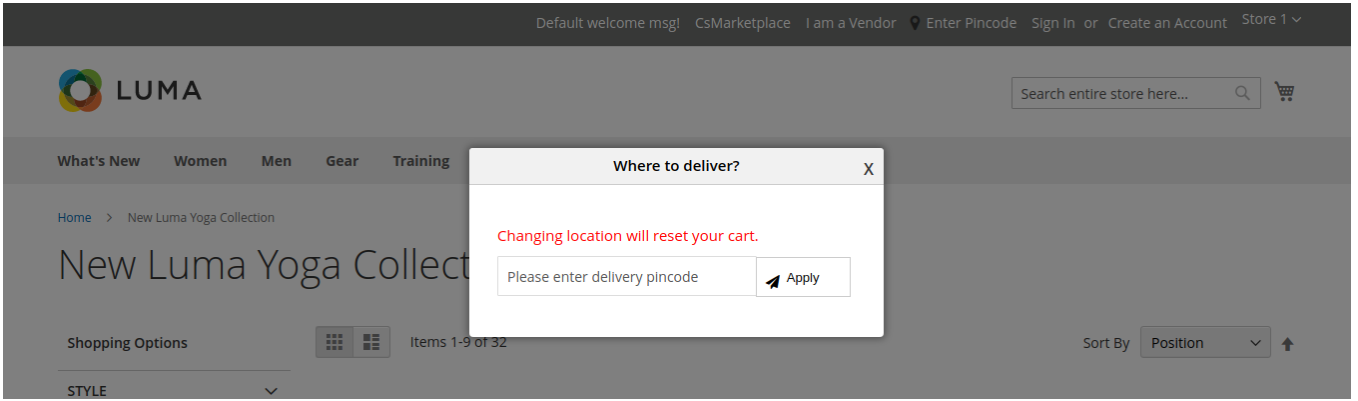
As per the Google, Location Based Service used in the solution, and the API provided by the admin at the configuration panel, customer location is auto-detected if not blocked from customer browser or will be required manually, so that the vendor and the product delivered by a vendor in that area display the customer, accordingly.

Note:

If the customer has not provided the location detail he will be able to see all the vendor and all the product available globally on the marketplace, but at the time of checkout when he put the address detail the condition of product delivery area will be validated at that time.

When the customer lands to the homepage on the top bar he has an option to put the pin code Manually. There is even an automatic popup window that appears where he adds his location (pin code/city)

AUTOMATIC POPUP TO ENTER LOCATION



if a customer wants to change the location further he can manage that by clicking on “Enter pin code” area where the current Pincode is displaying.

